

Proposal Full View

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Applicant Information

Organization Name Los Angeles County Flood Control District *

Tax ID **95600092**

Proposal Name Santa Anita Stormwater Flood Management and Seismic Strengthening Project *

Proposal Objective This Project will improve Los Angeles County Flood Control District facilities to better manage stormwater runoff from the Santa Anita Canyon watershed and achieve the following goals: 1) reduce flood damage to the downstream communities, 2) increase groundwater recharge of the local groundwater basin and 3) improve public safety by remediating seismic safety issues at the Santa Anita Dam and the Santa Anita Debris Basin. *

Budget

Other Contribution	\$0.00
Local Contribution	\$18,413,586.00
Federal Contribution	\$0.00
Inkind Contribution	\$1,586,414.00
Amount Requested	\$20,000,000.00 *
Total Project Cost	\$40,000,000.00 *

Geographic Information

Latitude * DD(+/-) MM SS

Longitude * DD(+/-) MM SS

Longitude/Latitude Clarification Location of Los Angeles County Flood Control District (LACFCD) Office Location Greater Los Angeles County

County Los Angeles *

Ground Water Basin Raymond

Hydrologic Region South Coast

Watershed Rio Hondo, Upper San Gabriel River

Legislative Information

Assembly District 49th Assembly District *

Senate District 22nd Senate District *

US Congressional District District 29 (CA) *

Project Information

Project Benefits Information

Project Name Santa Anita Stormwater Flood Management and

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Dam Modification	0	The Project will structurally modify and strengthen the Santa Anita Dam and Santa Anita Debris Basin (two existing Flood Control Facilities classified as Dams by DSOD) to meet State DSOD seismic requirements to safely withstand the Maximum Credible Earthquake and to safely pass the Probable Maximum Flood. The modifications will address immediate public health and safety needs by reducing flood risk and magnitude
Primary	Stormwater Flood-Water Supply Enhancement	518	Modifications to the Santa Anita Dam and Debris Basin will result in State DSOD removing operating restriction on those dams restoring the Districts ability to capture stormwater runoff for water conservation purposes. The dam improvements, along with enlargements and repairs to the Santa Anita Spreading Ground and modification to the Santa Anita Headworks will result in increased capture and groundwater recharge of

			stormwater runoff into the Raymond Basin
Primary	Stormwater Flood-Other	0	The Project provides Stormwater Flood Management to reduce downstream flood damage. Seismic remediation of the Santa Anita Dam including a new outlet tower and construction of a new spillway will reduce chance of flooding and the magnitude of flood damage due to dam failure from a seismic or major storm event. Seismic remediation to the Santa Anita Debris Basin consisting of new outlet tower, relocation of spillway and embankment improvements will result in reduced flood damage risk downstream as a result of a major seismic event. Modification to the Santa Anita Headworks structure will prevent its frequent overtopping and levee failure resulting in reduced flood damage to the Arcadia Wilderness Park and loss of water conservation activities
Secondary	Water Storage -- Groundwater-Water Quality Improvement	0	The Project will result in an average annual increase of groundwater recharge to the Raymond Basin of 518 acre-feet. The additional recharge will be by percolation of captured stormwater in the spreading grounds. Percolated stormwater is considered high quality water which will dilute the existing contaminants within the Basin, thereby safeguarding the health of residents who utilize groundwater from the East Raymond Basin as their primary source of drinking water.

Budget

Other Contribution	0
Local Contribution	18413586
Federal Contribution	0
Inkind Contribution	1586414
Amount Requested	20000000
Total Project Cost	40000000

Geographic Information

Latitude DD(+/-)	34	MM 10	SS 14
Longitude DD(+/-)	118	MM 1	SS 20
Longitude/Latitude Clarification	Location of Santa Anita	Location	City of Arcadia

County	Los Angeles
Ground Water Basin	Raymond
Hydrologic Region	South Coast
WaterShed	Rio Hondo, Upper San Gabriel River

Legislative Information

Assembly District	59th Assembly District
Senate District	29th Senate District
US Congressional District	District 26 (CA)

Section : Applicant Information Question Tab**APPLICANT INFORMATION QUESTION TAB****Q1. PROPOSAL DESCRIPTION**

Provide a brief abstract of the Proposal, including a listing of individual project titles or types.

This proposal is for a single project, Santa Anita Stormwater Flood Management and Seismic Strengthening Project. The project will provide seismic strengthening modifications and spillway enlargement to a concrete arch dam and seismic strengthenign modification to an earthen embankment debris basin. A spreading grounds will be enlarged and modified, and and Headworks Structure will be strengthened and modified. These modifications will reduce flood damage downstream which could otherwise occur due to dam failure or and allow the applicant to provide additional water conservation which is currently limited by the restrictions placed upon the dams by the State DSOD. Increased groundwater recharge and improved water quality will result.

**Q2. PROJECT
DIRECTOR**

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Gail Farber, Chief Engineer, (626)458-4002, GFARBER@dpw.lacounty.gov

**Q3. PROJECT
MANAGEMENT**

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Michele Chimienti, Civil Engineer, (626)458-6111, MCHIMIEN@dpw.lacounty.gov

**Q4. APPLICANT
INFORMATION**

Provide the agency name, address, city, state, and zip code of the applicant submitting the application. Also provide the name and contact information of the person filling out the online application.

Los Angeles County Flood Control District, 900 South Fremont Avenue, Alhambra, CA 91803-1331. The online application was completed by Kenneth Hu, Associate Civil Engineer, (626)458-7189, KHU@dpw.lacounty.gov

**Q5. ADDITIONAL
INFORMATION**

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

Los Angeles-Ventura Funding Area

**Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD
(S)**

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

http://www.waterboards.ca.gov/waterboards_map.shtml

Los Angeles Regional Water Quality Control Board

**Q7.
ELIGIBILITY**

Is the application from an IRWM planning region approved in the RAP (See Section II B, Table 1)? If yes, include the name of the IRWM planning region. If not, explain.

Yes, Greater Los Angeles County.

**Q8.
ELIGIBILITY**

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

Yes, the applicant is a local agency.

**Q9.
ELIGIBILITY**

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q10 and Q11.

The applicant is not an urban water supplier.

**Q10.
ELIGIBILITY**

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q9, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

Not applicable.

**Q11.
ELIGIBILITY**

Have any urban water suppliers listed in Q9 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

Not applicable.

**Q12.
ELIGIBILITY**

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project (s) and list the agency(ies) that will implement the project(s).

Yes, all elements of the proposed project will allow the Los Angeles County Flood Control District to increase the amount of water conserved and recharged into the East

Raymond Basin by over 500 acre feet per year. The Los Angeles County Flood Control District will implement the Project.

**Q13:
ELIGIBILITY**

For the agency(ies) listed in Q12, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

The Raymond Basin is an adjudicated groundwater basin governed by the February 22, 1984 judgment, which is attached as Attachment XX. The applicant, the Los Angeles County Flood Control District, is a signatory to an agreement dated December 12, 1950 with the City of Sierra Madre where the District agreed to operate the headworks along the Santa Anita Canyon to divert water to spreading grounds operated and maintained by the City of Sierra Madre and to the Santa Anita Spreading Grounds.

**Q14:
ELIGIBILITY**

Does the applicant have a Stormwater Resources Plan developed pursuant to Part 2.3 (commencing with Section 10560) of Division 6 of the Water Code, or an IRWM Plan that includes the Stormwater Resources Plan requirements specified in Section 10562 of the Water Code? Please answer yes or no. If yes, please answer Question 15 or 16, as applicable.

- a) Yes
- b) No

**Q15:
ELIGIBILITY**

For applicants with a Stormwater Resources Plan, does that Plan meet the standards set forth in Part 2.3 of Division 6 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

**Q16:
ELIGIBILITY**

For applicants with an IRWM Plan, does that Plan include the Stormwater Resources Plan requirements specified in Section 10562 of the CWC? If yes, provide attachment 13.

- a) Yes
- b) No

**NOTES TO BMS
ADMINISTRATOR**

Provide notes about any potential problems you may have had with BMS that are particular to your application.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

**ATTACHMENT 1: AUTHORIZATION AND ELIGIBILITY
REQUIREMENTS**

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att1_SWF_Eligible_1of1.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

**ATTACHMENT 2: ADOPTED PLAN AND PROOF OF FORMAL
ADOPTION**

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att2_SWF_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Last Uploaded Attachments:

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Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

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**ATTACHMENT
3: WORK PLAN**

Upload the Work Plan here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att3_SWF_WorkPlan_1of2.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_SWF_WorkPlan_2of2.pdf

Upload additional work plan components here.

Upload additional work plan components here.

Upload additional work plan components here.

ATTACHMENT 4: BUDGET

Upload the Budget here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att4_SWF_Budget_1of1.pdf

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

Upload additional budget components here.

ATTACHMENT 5: SCHEDULE

Upload the Schedule here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5_SWF_Schedule_1of1.pdf

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

Upload additional schedule components here.

ATTACHMENT 6: MONITORING, ASSESSMENT, AND PERFORMANCE MEASURES

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_SWF_Measures_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

Upload additional Monitoring, Assessment, and Performance Measures here.

ATTACHMENT 7: ECONOMIC ANALYSIS - FLOOD DAMAGE REDUCTION COSTS AND BENEFITS

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_SWF_DReduc_1of1.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

ATTACHMENT 8: ECONOMIC ANALYSIS - WATER SUPPLY COSTS AND BENEFITS

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_SWF_WSBen_1of1.pdf

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Upload additional - Water Supply Costs and Benefits documentation here.

Section : Application Attachments Tab (cont)

APPLICATION ATTACHMENTS TAB (CONT)

ATTACHMENT 9: WATER QUALITY AND OTHER EXPECTED BENEFITS

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att9_SWF_WQOtherBen_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

ATTACHMENT 10: COSTS AND BENEFITS SUMMARY

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att10_SWF_CBSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

ATTACHMENT 11: PROGRAM PREFERENCES

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att11_SWF_Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

ATTACHMENT 12: AB1420 AND WATER METER COMPLIANCE INFORMATION

Upload AB1420 and Water Meter Compliance Information here. Ensure file name is consistent with section V of the Stormwater Flood Management PSP (disregard the 5 digit pin).

Upload additional AB1420 and Water Meter Compliance documentation here.

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Upload additional AB1420 and Water Meter Compliance documentation here.

ATTACHMENT 13: STORMWATER RESOURCES PLAN

This attachment is only necessary if the applicant has an existing Stormwater Resources Plan, pursuant (commencing with Section 10560) of Division 6 of the Water Code and answered "yes" to Q15 or Q16.

The summary text must be no more than 5 pages in length using a minimum of 10-point type font. Excerpts from the Plan must not exceed 15 pages.

Attachment 13 must provide the following:

Identify and include portions of the applicable Plan that demonstrate all of the standards of Part 2.3 (commencing with Section 10560) of Division 6 of the CWC.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.

Upload additional Stormwater Resources Plan documentation here.